EXHIBIT S

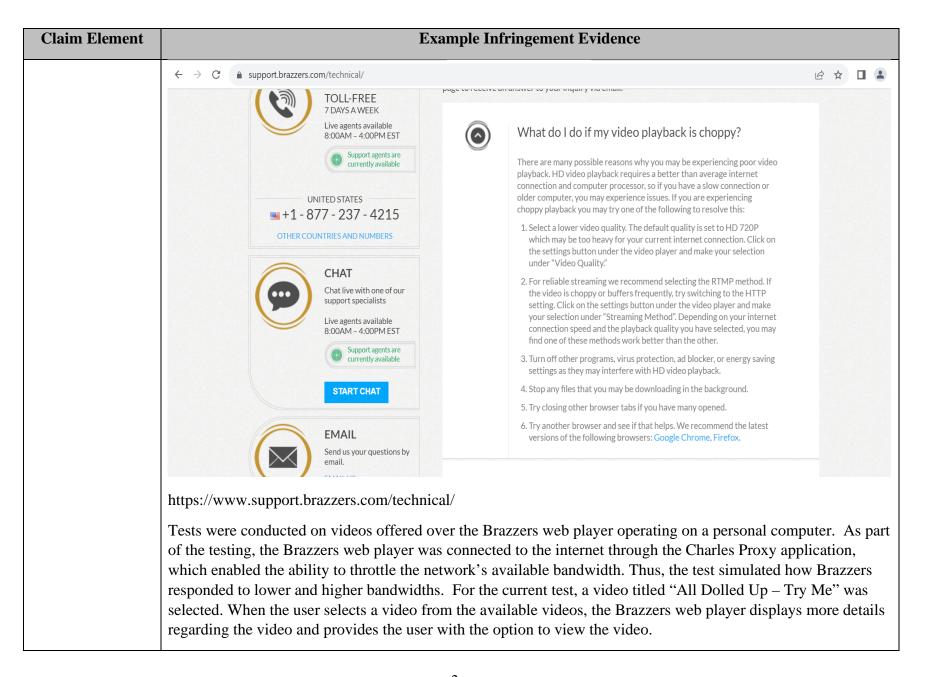
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U.S. Patent No. 11,470,138 to Brazzers

The following claim chart shows exemplary aspects of the Brazzers streaming services and products ("Brazzers") that infringe claim 14 of the '138 Patent. The chart is exemplary and should not be read to limit DISH's assertions against MG Premium Ltd, AYLO Premium Ltd, Brazzers, or any other streaming services offered by MG Premium Ltd, AYLO Premium Ltd, or other Defendants as to the services or products described below. The chart should not be read to limit DISH's assertions to the patent claim charted below. Nor should the chart below be read to limit how MG Premium Ltd, AYLO Premium Ltd, and/or other Defendants infringe the claim below.

Claim Element	Example Infringement Evidence
[14.pre] An end user station to stream a video over a network from a server for playback of the video, the end user station comprising:	Brazzers is software and Application that permits an end user content player device to stream a video over a network from a server for playback of the video. Brazzers is a website and Application executable by devices that obtains streams of a selected video program for playback. The streams include live streams that are obtained from one or more video servers connecting to Brazzers over a network. The images in this chart are from the Brazzers website accessed through a web browser, such as Microsoft Edge, Google Chrome, or iOS Safari. In addition, the Brazzers web player is available to run on content player devices supporting all the latest versions of major web browsers. <i>See</i> https://www.support.brazzers.com/technical/ ("[Brazzers] support[s] all the latest versions of major web browsers"). <i>See also id.</i> (showing, in part, that an internet connection is required in order to stream videos):

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Claim Element	Example Infringement Evidence			
	Selecting the icon corresponding to a video causes that video and other materials to be streamed and displayed on the user's device.			
	With respect to adaptively receiving the digital stream from the video server over the network, the Brazzers web player's adaptive bitrate streams are provided to the Brazzers web player from a server over a network using the HTTP Live Streaming ("HLS") adaptive bitrate streaming protocol. HLS is "a protocol for transferring unbounded streams of multimedia data." Request For Comments: 8216 – HTTP Live Streaming, August 2017 ("RFC 8216") at 1. Using HLS, "a client can receive a continuous stream of media from a server for concurrent presentation." RFC 8216 at 4. HLS "allows a receiver to adapt the bitrate of the media to the current network conditions in order to maintain uninterrupted playback at the best possible quality." RFC 8216 at 4. With HLS, "[c]lients should switch between different Variant Streams to adapt to network conditions." RFC 8216 at 5.			
	As explained in further detail below, Brazzers performs a method executable by an end user station that presents rate-adaptive streams received from at least one server over an internet network connection.			
[14.1] a processor;	Brazzers runs on end users' devices. Example end user devices include personal computers, Macintosh computers, Apple iPhones, Apple iPads, Android phones, Android tablets, and smart TV devices equipped to access the internet via one or more network connections. The end users' devices include a processor configured to enable video streaming.			
	The screenshots in this chart of the Brazzers website are from running accessing the Brazzers website on an Apple iPhone or Windows computer. On information and belief, at least one of the devices capable of accessing and viewing Brazzers content contains a processor.			
[14.2] a digital processing apparatus memory device comprising non-transitory machine-readable instructions that, when executed,	As explained above, Brazzers runs on end users' devices. Example end user devices include personal computers, Macintosh computers, Apple iPhones, Apple iPads, Android phones, Android tablets, and smart TV devices equipped to access the internet via one or more network connections. The end users' devices include a processor configured to enable video streaming. The end users' devices also include memory devices having non-transitory machine-readable instructions that cause an end user device to establish one or more internet connections between the end user station and the one or more Brazzers servers hosting Brazzers videos.			

Claim Element	Example Infringement Evidence				
cause the processor to: establish an internet connection between the end user station and the server, wherein the server is configured to access at least one of a plurality of groups of streamlets;	Brazzers accesses streams of video programs that are stored on one or more servers over a networ displayed to end user devices via the Brazzers web player. See also https://www.support.brazzers.com/technical/ ("[Brazzers] support[s] all the latest versions of major browsers"). See also id. (showing, in part, that an internet connection is required in order to stream. "TOLL-FREE TOMYS A WEEK Live agents available BOOAM - 4.00PM EST OTHER COUNTRIES AND NUMBERS What do I do if my video playback is choppy? There are many possible reasons why you may be experiencing poor video playback. HD video playback requires a better than average internet connection and computer processor, so if you have a slow connection or older computer, you may experience issues. If you are experiencing choppy playback you may try one of the following to resolve this: 1. Select a lower video quality. The default quality is set to HD 720P which may be too heavy for your current internet connection. Click on the settings button under the video player and make your selection under "Video Quality." 2. For reliable streaming we recommend selecting the RTMP method. If the video is chopy or buffers frequently, try switching to the HTTP setting. Click on the settings button under the video player and make your selection under "Streaming Method. Depending on your internet connection speed and the playback quality you have selected, you may find one of these methods work better than the other. 3. Turn off other programs, virus protection, ad blocker, or energy saving settings as they may interfere with HD video playback. 4. Stop any files that you may be downloading in the background. 5. Try closing other browser tabs if you have many opened.	or web	eos):		
	EMAIL Send us your questions by email. 6. Try another browser and see if that helps. We recommend the latest versions of the following browsers: Google Chrome, Firefox. https://www.support.brazzers.com/technical/				

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Claim Element	Example Infringement Evidence
	The one or more servers accessible by the Brazzers web player store streamlets corresponding to particular segments of a video program, and each streamlet is encoded at one of numerous resolutions. Each of the stored streams, or variant playlists, comprises a plurality of streamlets at the same resolution. The arrangements of each variant playlist ensure the sequential playback of the streams at a resolution supported by the available network bandwidth.
	For example, in the instant test of a video titled "All Dolled Up—Try Me," the end user station: established a network connection, connected with the one or more Brazzers servers, and the Brazzers web player made an HTTP GET request to stream-private-ht.project1content.com for a master manifest located at the following path: /hls/b16/7ee/fd6/36a/456/6ae/85c/893/013/78d/99/video/scene,_320p,_480p,_720p,_1080p,_2160p,.mp4.urls et/master.m3u8?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JKFSmRbzI3Zs4%3D (hereafter referred to as the "Master Manifest" or "master.m3u8"). The Master Manifest returned the following contents, reflecting the Uniform Resource Indicators ("URIs") of the various variant playlists hosting at least a group of streamlets:
	#EXTM3U
	#EXT-X-STREAM-INF:PROGRAM-ID=1,BANDWIDTH=915420,RESOLUTION=568x320,FRAME-RATE=23.974,CODECS="avc1.64001f,mp4a.40.2"
	index-f1-v1- a1.m3u8?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JKFSmRbzI3Zs4%3D
	#EXT-X-STREAM-INF:PROGRAM-ID=1,BANDWIDTH=1654630,RESOLUTION=854x480,FRAME-RATE=23.974,CODECS="avc1.64001f,mp4a.40.2"
	index-f2-v1- a1.m3u8?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JKFSmRbzI3Zs4%3D
	#EXT-X-STREAM-INF:PROGRAM-ID=1,BANDWIDTH=3023543,RESOLUTION=1280x720,FRAME-RATE=23.974,CODECS="avc1.64001f,mp4a.40.2"

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Claim Element	Example Infringement Evidence	
	index-f3-v1- a1.m3u8?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JKFSmRbzI3Zs4%3D	
	#EXT-X-STREAM-INF:PROGRAM-ID=1,BANDWIDTH=4816531,RESOLUTION=1920x1080,FRAME-RATE=23.974,CODECS="avc1.640032,mp4a.40.2"	
	index-f4-v1- a1.m3u8?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JKFSmRbzI3Zs4%3D	
	#EXT-X-STREAM-INF:PROGRAM-ID=1,BANDWIDTH=6660563,RESOLUTION=3840x2160,FRAME-RATE=23.974,CODECS="avc1.640033,mp4a.40.2"	
	index-f5-v1- a1.m3u8?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JKFSmRbzI3Zs4%3D	
	File path: master.m3u8	
	The master playlist shows five versions of the video stream at the following bandwidths:	
	 915420 (referred to herein as "915420 Bandwidth") having a resolution of 568x320 1654630 (referred to herein as "1654630 Bandwidth") having a resolution of 854x480 3023543 (referred to herein as "3023543 Bandwidth") having a resolution of 1280x720 4816531 (referred to herein as "4816531 Bandwidth") having a resolution of 1920x1080 6660563 (referred to herein as "6660563 Bandwidth") having a resolution of 3840x1260 	
	For each of these versions, the master playlist provides a link to a playlist for the specified version of the selected video program at a particular bandwidth and resolution. Each version playlist is defined by the token associated with the stream file path. For example:	

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Claim Element	Example Infringement Evidence			
	Bandwidth	Token ¹		
	915420	index-f1-v1-a1.m3u8?		
	Bandwidth			
	1654630	index-f2-v1-a1.m3u8?		
	Bandwidth			
	3023543	index-f3-v1-a1.m3u8?		
	Bandwidth			
	4816531	index-f4-v1-a1.m3u8?		
	Bandwidth			
	6660563	index-f5-v1-a1.m3u8?		
	Bandwidth			
	For example, the 9	idth streams includes segments that encode the same portion of the video at various qualities. 15420 Bandwidth version can be considered a low-quality stream, the 1654640 Bandwidth sidered a medium-quality stream, and the 3023543 Bandwidth version can be considered a n.		
	Brazzers also uses in the file above.	HTTPS GET requests to retrieve the segments, or streamlets, of the encoded video specified		
	different copies, as	t for each of the Variant Streams identifies a group of streamlets associated with each of the sthe exemplary Media Playlist shown below illustrates. <i>See</i> RFC 8216 at 38 ("The server ia Playlist file (Section 4) that contains a URI for each Media Segment that the server wishes		

¹ Token abbreviated for readability. The abbreviated portions of each token are the same across all bandwidth versions.

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Claim Element	Example Infringement Evidence					
	presentation Media Play specified by As shown on a server	to make available, in the order in which they are to be played."); see also RFC 8216 at 4 ("A multimedia presentation is specified by a Uniform Resource Identifier (URI) [RFC3986] to a Playlist."); RFC 8216 at 4 ("A Media Playlist contains a series of Media Segments that make up the overall presentation. A Media Segment is specified by a URI and optionally a byte range."). As shown by the Charles Proxy application file, partially reproduced below, the streamlet video files are hosted on a server accessible via stream-private-ht.project1content.com. The server accesses the stored streamlet files for playback on an end user device.				
	Method	Host	Path ²		Status	
	GET	stream-private- ht.project1content.com	/hls/b16/7ee/fd6/36a/45 6/6ae/85c/893/013/78d/ 99/video/scene,_320p,_ 480p,_720p,_1080p,_2 160p,.mp4.urlset/seg- 70-f3-v1-a1.ts?		Complete	
	GET	stream-private- ht.project1content.com	/hls/b16/7ee/fd6/36a/45 6/6ae/85c/893/013/78d/ 99/video/scene,_320p,_ 480p,_720p,_1080p,_2 160p,.mp4.urlset/seg- 71-f3-v1-a1.ts?		Complete	
	GET	stream-private- ht.project1content.com	/hls/b16/7ee/fd6/36a/45 6/6ae/85c/893/013/78d/ 99/video/scene,_320p,_		Complete	

² Video path abbreviated for readability throughout.

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Claim Element	Example Infringement Evidence					
			480p,_720p,_1080p,_2 160p,.mp4.urlset/seg- 72-f3-v1-a1.ts?			
	GET	stream-private- ht.project1content.com	/hls/b16/7ee/fd6/36a/45 6/6ae/85c/893/013/78d/ 99/video/scene,_320p,_ 480p,_720p,_1080p,_2 160p,.mp4.urlset/seg- 73-f3-v1-a1.ts?		Complete	
	On information and belief, other videos uploaded to Brazzers similarly perform the demonstrated claim limitations. As shown in the test data, Brazzers selects the 3023543 Bandwidth version of the stream and makes a request for the corresponding playlist. The Brazzers Server(s) returns the playlist file with the following contents:					
	#E	XTM3U XT-X-TARGETDURATION XT-X-ALLOW-CACHE: Y				
	#E	XT-X-PLAYLIST-TYPE: XT-X-VERSION:3				
		XT-X-MEDIA-SEQUENO XTINF:3.000,	CE:1			

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Claim Element	Example Infringement Evidence				
	seg-1-f3-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JKFSmRbzI3Zs4 %3D				
	#EXTINF:4.000,				
	seg-2-f3-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JKFSmRbzI3Zs4 %3D				
	#EXTINF:4.000,				
	seg-3-f3-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JKFSmRbzI3Zs4 %3D				
	#EXTINF:4.000,				
	seg-4-f3-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JKFSmRbzI3Zs4 %3D				
	#EXTINF:4.000,				
	seg-5-f3-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JKFSmRbzI3Zs4 %3D				
	[***]				
	#EXTINF:4.000,				
	seg-556-f3-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JKFSmRbzI3Zs4 %3D				

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Claim Element	Example Infringement Evidence				
	#EXTINF:4.000,				
	seg-557-f3-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JKFSmRbzI3Zs4 %3D				
	#EXTINF:4.000,				
	seg-558-f3-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JKFSmRbzI3Zs4 %3D				
	#EXTINF:0.616,				
	seg-559-f3-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JKFSmRbzI3Zs4 %3D				
	#EXT-X-ENDLIST				
	The variant playlist file is a HLS playlist. Each line in the file path "index-f3-v1-a1.m3u8?" that begins with "#EXTINF" specifies the length of the segments in seconds. The line below the #EXTINF file is the location of the video file. In the variant playlist shown above, the segments of the video are separated by commercial segments. Each of the streamlets (except the first and final streamlets of each playlist) is 4.000 seconds long and returns sequential segments of the video program and/or commercial.				
	As long as the viewer stays on the channel and the bandwidth is adequate to support the chosen resolution, Brazzers will continue to request and receive playlists corresponding to the current, chosen resolution.				
	Thus, Brazzers provides a digital processing apparatus memory device comprising non-transitory machine-readable instructions that, when executed, cause the end user station's processor to: establish one or more				

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Claim Element	Example Infringement Evidence				
	network connections between the end user station and the server, wherein the server is configured to access at least one of a plurality of groups of streamlets.				
[14.3] wherein the video is encoded at a plurality of different bitrates to create a plurality of streams including at least a low quality stream, a medium quality stream, and a high quality stream, each of the low quality stream, the medium quality stream, and the high quality stream comprising a group of streamlets encoded at the same respective one of the different bitrates, each group comprising at least first and second streamlets,	As mentioned above, Brazzers videos are encoded at a plurality of different bitrates to create a plurality of streams including at least low, medium, and high quality streams. Each of the low, medium, and high quality streams has a streamlet that encodes the same portion of the video at a different one of the plurality of different bitrates. Each of the streamlets comprising the low, medium, and high, quality streams are stored in variant playlists comprising a group of streamlets of the same quality at a respective bit rate. In the instant test, a personal computer accessing the Brazzers web player through a web browser makes a HTTPS GET request to stream-private-ht.project1content.com for the Master Manifest. As shown in the excerpts of the Master Manifest below, the video available is encoded at 5 different bitrates. #EXTM3U #EXT-X-STREAM-INF:PROGRAM-ID=1,BANDWIDTH=915420,RESOLUTION=568x320,FRAME-RATE=23.974,CODECS="avc1.64001f,mp4a.40.2" index-f1-v1- a1.m3u8?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JKFSmRbzI3 Zs4%3D #EXT-X-STREAM-INF:PROGRAM-ID=1,BANDWIDTH=1654630,RESOLUTION=854x480,FRAME-RATE=23.974,CODECS="avc1.64001f,mp4a.40.2" index-f2-v1- a1.m3u8?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JKFSmRbzI3 Zs4%3D				
each of the					

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Claim Element	Example Infringement Evidence
streamlets corresponding to a portion of the video;	#EXT-X-STREAM-INF:PROGRAM-ID=1,BANDWIDTH=3023543,RESOLUTION=1280x720,FRAME-RATE=23.974,CODECS="avc1.64001f,mp4a.40.2" index-f3-v1-a1.m3u8?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JKFSmRbzI3Zs4%3D #EXT-X-STREAM-INF:PROGRAM-ID=1,BANDWIDTH=4816531,RESOLUTION=1920x1080,FRAME-RATE=23.974,CODECS="avc1.640032,mp4a.40.2" index-f4-v1-a1.m3u8?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JKFSmRbzI3Zs4%3D #EXT-X-STREAM-INF:PROGRAM-ID=1,BANDWIDTH=6660563,RESOLUTION=3840x2160,FRAME-RATE=23.974,CODECS="avc1.640033,mp4a.40.2" index-f5-v1-a1.m3u8?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JKFSmRbzI3Zs4%3D
	File path: master.m3u8 The master playlist shows five versions of the video stream at the following bandwidths: • 915420 (referred to herein as "915420 Bandwidth") having a resolution of 568x320 • 1654630 (referred to herein as "1654630 Bandwidth") having a resolution of 854x480 • 3023543 (referred to herein as "3023543 Bandwidth") having a resolution of 1280x720

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Claim Element	Example Infringement Evidence	
	 4816531 (referred to herein as "4816531 Bandwidth") having a resolution of 1920x1080 6660563 (referred to herein as "6660563 Bandwidth") having a resolution of 3840x1260 	
	For each of these versions, the master playlist provides a link to a playlist for the specified version of the selected video program at a particular bandwidth and resolution. Each version playlist is defined by the token associated with the stream file path. For example:	
	Bandwidth	Token
	915420 Bandwidth	index-f1-v1-a1.m3u8?
	1654630 Bandwidth	index-f2-v1-a1.m3u8?
	3023543 Bandwidth	index-f3-v1-a1.m3u8?
	4816531 Bandwidth	index-f4-v1-a1.m3u8?
	6660563 Bandwidth	index-f5-v1-a1.m3u8?
	For example, the	width streams includes segments that encode the same portion of the video at various qualities. 915420 Bandwidth version can be considered a low-quality stream, the 1654640 Bandwidth onsidered a medium-quality stream, and the 3023543 Bandwidth version can be considered a am.
	As shown below, each of the 915420 Bandwidth and 3023543 Bandwidth version playlists contain segments, or streamlets, that encode segments of the video program. The streamlet files within each version playlist are	

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Claim Element	Example Infringement Evidence		
	arranged in ascending chronological order, beginning with the first segment of the video program and progressing until the final segment of the video program.		
	Bandwidth	Streamlet (<u>segment</u>)	
	915420 Bandwidth	#EXTM3U	
		#EXT-X-TARGETDURATION:4	
		#EXT-X-ALLOW-CACHE:YES	
		#EXT-X-PLAYLIST-TYPE:VOD	
		#EXT-X-VERSION:3	
		#EXT-X-MEDIA-SEQUENCE:1	
		#EXTINF:3.000,	
		<u>seg-1</u> -f1-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO 7JKFSmRbzI3Zs4%3D	
		#EXTINF:4.000,	
		<u>seg-2</u> -f1-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO 7JKFSmRbzI3Zs4%3D	
		#EXTINF:4.000,	
		<u>seg-3</u> -f1-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO 7JKFSmRbzI3Zs4%3D	

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Claim Element	Example Infringement Evidence	
		#EXTINF:4.000, seg-4-f1-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO 7JKFSmRbzI3Zs4%3D #EXTINF:4.000, seg-5-f1-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO 7JKFSmRbzI3Zs4%3D
	3023543 Bandwidth	#EXTM3U #EXT-X-TARGETDURATION:4 #EXT-X-ALLOW-CACHE:YES #EXT-X-PLAYLIST-TYPE:VOD #EXT-X-VERSION:3 #EXT-X-MEDIA-SEQUENCE:1 #EXTINF:3.000, seg-1-f3-v1-a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JKFSmRbzI3Zs4%3D #EXTINF:4.000, seg-2-f3-v1-a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JKFSmRbzI3Zs4%3D

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Claim Element	Example Infringement Evidence
	#EXTINF:4.000,
	<u>seg-3</u> -f3-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO 7JKFSmRbzI3Zs4%3D
	#EXTINF:4.000,
	seg-4-f3-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO 7JKFSmRbzI3Zs4%3D
	#EXTINF:4.000,
	<u>seg-5</u> -f3-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO 7JKFSmRbzI3Zs4%3D
	On information and belief, playlists for the other resolution variants also include these segments, or streamlets, also arranged in ascending chronological order and corresponding to the same portion of the video provided from the Brazzers web player's server(s). Also on information and belief, other videos streamed using Brazzers and the Brazzers web player (such as live videos) provide the same limitations.
	Each of the low-quality stream, medium-quality stream, and high-quality stream comprise a group of streamlets that are encoded at the same respective one of the different bitrates. As set forth above, each of the Variant Streams "describes a different version of the same content." RFC 8216 at 5. Thus, each of the Variant Streams are "encodings of the same presentation" at different bitrates. RFC 8216 at 42. Indeed, to allow "clients to switch between" Variant Streams seamlessly, HLS requires that "[e]ach Variant Stream MUST present the same content" on playback. RFC 8216 at 43. And, HLS provides that "[m]atching content in Variant Streams MUST have matching timestamps" to allow the Brazzers web player to synchronize the media. <i>Id.</i> Further, "[e]ach Media Segment in a Media Playlist has an integer Discontinuity Sequence Number. The Discontinuity Sequence
	Number can be used in addition to the timestamps within the media to synchronize Media Segments across

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Claim Element	Example Infringement Evidence
	different Renditions." RFC 8216 at 39. Thus, "[m]atching content in Variant Streams MUST have matching Discontinuity Sequence Numbers." RFC 8216 at 43.
The video server stores the video wherein "each of the low quality stream, the medium quality stream, high quality stream comprising a group of streamlets." The HLS protocol indicates that "[a] Media Play contains a list of Media Segments, which, when played sequentially, will play the multimedia presentate RFC 8216 at 4; see also RFC 8216 at 5 ("To play this Playlist, the client first downloads it and then do and plays each Media Segment declared within it. The client reloads the Playlist as described in this do discover any added segments."); RFC 8216 at 4 ("A Media Playlist contains a series of Media Segment make up the overall presentation.").	
	Each of the Media Segments in HLS yields a different portion of the video on playback. For example, HLS provides that "[e]ach segment in a Media Playlist has a unique integer Media Sequence Number. The Media Sequence Number of the first segment in the Media Playlist is either 0 or declared in the Playlist (Section 4.3.3.2). The Media Sequence Number of every other segment is equal to the Media Sequence Number of the segment that precedes it plus one." RFC 8216 at 6. As such, "[e]ach Media Segment MUST carry the continuation of the encoded bitstream from the end of the segment with the previous Media Sequence Number, where values in a series such as timestamps and Continuity Counters MUST continue uninterrupted." RFC 8216 at 6. Thus, each of the streamlets in a set must yield a different portion of the video on playback.
	The streamlets across the different copies yield the same portions of the video on playback. As set forth above, each of the Variant Streams "describes a different version of the same content." RFC 8216 at 5. Thus, each of the Variant Streams are "encodings of the same presentation" at different bitrates. RFC 8216 at 42. Indeed, to allow "clients to switch between" Variant Streams seamlessly, HLS requires that "[e]ach Variant Stream MUST present the same content" on playback. RFC 8216 at 43.
[14.4] wherein at least one of the low quality stream, the medium quality stream, and	As explained above, Brazzers videos are encoded at a plurality of different bitrates to create a plurality of streams including at least low, medium, and high quality streams. Each of the low, medium, and high quality streams has a streamlet that encodes the same portion of the video at a different one of the plurality of different bitrates. Each of the streamlets comprising the low, medium, and high, quality streams are stored in variant playlists comprising a group of streamlets of the same quality at a respective bit rate. At least one of the low

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Claim Element	Example Infringement Evidence
the high quality	quality stream, the medium quality stream, and the high quality stream is encoded at a bitrate of no less than 600
stream is encoded	kbps.
at a bitrate of no	The master playlist shows five versions of the video stream at the following bandwidths:
less than 600 kbps;	The master playingt shows five versions of the video stream at the following bandwidths.
and	 915420 (referred to herein as "915420 Bandwidth") having a resolution of 568x320
	• 1654630 (referred to herein as "1654630 Bandwidth") having a resolution of 854x480
	• 3023543 (referred to herein as "3023543 Bandwidth") having a resolution of 1280x720
	• 4816531 (referred to herein as "4816531 Bandwidth") having a resolution of 1920x1080
	• 6660563 (referred to herein as "6660563 Bandwidth") having a resolution of 3840x1260
[14.5] wherein the	Each of the low-quality stream, medium-quality stream, and high-quality stream comprise a group of streamlets
first streamlets of	that are encoded at the same respective one of the different bitrates. As set forth above, each of the Variant
each of the low	Streams "describes a different version of the same content." RFC 8216 at 5. Thus, each of the Variant Streams
quality stream, the	are "encodings of the same presentation" at different bitrates. RFC 8216 at 42. Indeed, to allow "clients to
medium quality	switch between" Variant Streams seamlessly, HLS requires that "[e]ach Variant Stream MUST present the same
stream and the	content" on playback. RFC 8216 at 43. And, HLS provides that "[m]atching content in Variant Streams MUST
high quality	have matching timestamps" to allow the Brazzers web player to synchronize the media. <i>Id.</i> Further, "[e]ach
stream each has an	Media Segment in a Media Playlist has an integer Discontinuity Sequence Number. The Discontinuity Sequence
equal playback	Number can be used in addition to the timestamps within the media to synchronize Media Segments across
duration and each	different Renditions." RFC 8216 at 39. Thus, "[m]atching content in Variant Streams MUST have matching
of the first	Discontinuity Sequence Numbers." RFC 8216 at 43.
streamlets encodes	As shown below, each of the 915420 Bandwidth and 3023543 Bandwidth version playlists contain segments,
the same portion	or streamlets, that encode segments of the video program. The streamlet files within each version playlist are
of the video at a	arranged in ascending chronological order, beginning with the first segment of the video program and
different one of the	progressing until the final segment of the video program. As noted above, the variant playlist file is an HLS
different bitrates;	playlist. Each line in the file that begins with "#EXTINF" specifies the length of the segments in seconds. The
	line below the #EXTINF file is the location of the video file. In the present test, the Brazzers web player uses
	HTTPS GET requests to request and retrieve the segments of the encoded stream specified in the file above.
	The video files are hosted at stream-private-ht.project1content.com , and each streamlet (except the first and
	The video mes are nosted at stream-private-int.projecticoment.com, and each streamet (except the first and

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Claim Element	Example Infringement Evidence		
	final streamlets) is 4.000 second Bandwidth is 3.000 second	conds long. The first streamlet of each of the 915420 Bandwidth and the 3023543 Is long.	
	The received playlists at each resolution includes video streamlets, such as: "seg-1-f[X]-v1-a1.ts," "seg-2-f[X]-v1-a1.ts," "seg-3-f[X]-v1-a1.ts," "seg-4-f[X]-v1-a1.ts," and "seg-5-f[X]-v1-a1.ts," where [X] corresponds to a unique identifier for each bandwidth version. Within each bandwidth playlist file, there are the 559 .ts files, each corresponding to the same segmented moments in the video.		
	Bandwidth Version	File line (#EXTINF: length) (portion of live stream)	
	915420 Bandwidth	#EXTM3U	
		#EXT-X-TARGETDURATION:4	
		#EXT-X-ALLOW-CACHE:YES	
		#EXT-X-PLAYLIST-TYPE:VOD	
		#EXT-X-VERSION:3	
		#EXT-X-MEDIA-SEQUENCE:1	
		#EXTINF:3.000,	
		seg-1-f1-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JK FSmRbzI3Zs4%3D	
		#EXTINF:4.000,	
		<u>seg-2</u> -f1-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JK FSmRbzI3Zs4%3D	
		#EXTINF:4.000,	

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Claim Element	Example Infringement Evidence
	<u>seg-3</u> -f1-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JK FSmRbzI3Zs4%3D
	#EXTINF:4.000,
	<u>seg-4</u> -f1-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JK FSmRbzI3Zs4%3D
	#EXTINF:4.000,
	<u>seg-5</u> -f1-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JK FSmRbzI3Zs4%3D
	[***]
	#EXTINF:4.000,
	<u>seg-556</u> -f1-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JK FSmRbzI3Zs4%3D
	#EXTINF:4.000,
	<u>seg-557</u> -f1-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JK FSmRbzI3Zs4%3D
	#EXTINF:4.000,
	<u>seg-558</u> -f1-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JK FSmRbzI3Zs4%3D

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Claim Element	Example Infringement Evidence	
		#EXTINF:0.616,
		<u>seg-559</u> -f1-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JK FSmRbzI3Zs4%3D
		#EXT-X-ENDLIST
	3023543 Bandwidth	#EXTM3U
		#EXT-X-TARGETDURATION:4
		#EXT-X-ALLOW-CACHE:YES
		#EXT-X-PLAYLIST-TYPE:VOD
		#EXT-X-VERSION:3
		#EXT-X-MEDIA-SEQUENCE:1
		#EXTINF:3.000,
		seg-1-f3-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JK FSmRbzI3Zs4%3D
		#EXTINF:4.000,
		<u>seg-2</u> -f3-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JK FSmRbzI3Zs4%3D
		#EXTINF:4.000,
		<u>seg-3</u> -f3-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JK FSmRbzI3Zs4%3D

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Claim Element	Example Infringement Evidence	
	#EXTINF:4.000,	
	<u>seg-4</u> -f3-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JK FSmRbzI3Zs4%3D	
	#EXTINF:4.000,	
	<u>seg-5</u> -f3-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JK FSmRbzI3Zs4%3D	
	[***]	
	#EXTINF:4.000,	
	<u>seg-556</u> -f3-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JK FSmRbzI3Zs4%3D	
	#EXTINF:4.000,	
	<u>seg-557</u> -f3-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JK FSmRbzI3Zs4%3D	
	#EXTINF:4.000,	
	<u>seg-558</u> -f3-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JK FSmRbzI3Zs4%3D	
	#EXTINF:0.616,	

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Claim Element	Example Infringement Evidence		
	<u>seg-559</u> -f3-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JK FSmRbzI3Zs4%3D #EXT-X-ENDLIST		
	On information and belief, the other bandwidth file playlists also comprise 559 streamlets, each corresponding to the same portion of video as is respective counterpart in the streamlet files shown above. Similarly, on information and belief, the other bandwidth version streamlets are the same durations as the 915420 Bandwidth and 3023543 Bandwidth versions. The matching timestamps and Discontinuity Sequence Numbers for matching content across the Variant Streams are "in relation to the beginning of the video." For example, HLS requires that "[e]ach Media Segment MUST carry the continuation of the encoded bitstream from the end of the segment with the previous Media Sequence Number, where values in a series such as timestamps and Continuity Counters MUST continue uninterrupted." RFC 8216 at 6; <i>see also</i> RFC 8216 at 45 ("A client MUST NOT assume that segments with the same Media Sequence Number in different Variant Streams or Renditions have the same position in the presentation; Playlists MAY have independent Media Sequence Numbers. Instead, a client MUST use the relative position of each segment on the Playlist timeline and its Discontinuity Sequence Number to locate corresponding segments.").		
[14.6] select a specific one of the low quality stream, the medium	As explained above, Brazzers requests segments, or streamlets from the one or more Brazzers servers to display on an end user device. The video segments are presented in sequential ascending chronological order, based upon the previously requested and/or fulfilled streamlet, defined by the end user station running the Brazzers website or web player.		
quality stream, and the high quality stream based upon a determination by the end user	HLS "allows a receiver to adapt the bitrate of the media to the current network conditions in order to maintain uninterrupted playback at the best possible quality." RFC 8216 at 4; <i>see also id.</i> ("Using this protocol, a client can receive a continuous stream of media from a server for concurrent presentation.").		

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Claim Element	Example Infringement Evidence	
station to select a higher or lower bitrate version of the streams;	lower versions of the video stream at the following bandwidths: sion of a 015420 (referred to berein as "915420 Randwidth") having a resolution of 568x320	
	915420 Bandwidth	index-f1-v1-a1.m3u8?
	1654630 Bandwidth	index-f2-v1-a1.m3u8?
	3023543 Bandwidth	index-f3-v1-a1.m3u8?
	4816531 Bandwidth	index-f4-v1-a1.m3u8?
	6660563 Bandwidth	index-f5-v1-a1.m3u8?
	The Brazzers web player initially requests and receives the 915420 Bandwidth version of the stream a determination that the higher bitrate can be supported, the Brazzers web player switches to request	

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Claim Element	Example Infringement Evidence						
	the 3023543 Bandwidth version of the streamlets. Below is an excerpt of the Charles "Sequence" listing showing the same alongside the status of the requests.						
	Method Host Path Status						
	GET	stream-private- ht.project1content.com	/hls//seg-1-f1-v1-a1.ts?		Complete		
	GET	stream-private- ht.project1content.com	/hls//seg-2-f3-v1-a1.ts?	•••	Complete		
	GET	stream-private- ht.project1content.com	/hls//seg-3-f3-v1-a1.ts?		Complete		
	GET	stream-private- ht.project1content.com	/hls//seg-4-f3-v1-a1.ts?		Complete		
	Additionally, HLS provides that "[m]atching content in Variant Streams MUST have matching timestamps allow Brazzers to synchronize the media. RFC 8216 at 43. And, "[e]ach Media Segment in a Media Playlis an integer Discontinuity Sequence Number. The Discontinuity Sequence Number can be used in addition to timestamps within the media to synchronize Media Segments across different Renditions." RFC 8216 at 39. Thus, "[m]atching content in Variant Streams MUST have matching Discontinuity Sequence Numbers." R 8216 at 43.						
[14.7] place a streamlet request to the server over	As explained above, Brazzers presents the end user station with the sequential video streamlets after HTTPS get requests are fulfilled by the one or more Brazzers servers. The requests are transmitted automatically, without the need for repeated user input requesting the sequential streamlets.						
the internet connection for the first streamlet of	The variant playlists file are HLS playlists. Each line in the file that begins with "#EXTINF" specifies the length of the segments in seconds. The line below the #EXTINF file is the location of the video file. In the present test, the Brazzers web player uses HTTPS GET requests to request and retrieve the segments of the						

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Claim Element		Example Infringement Evidence						
the selected stream;	encoded stream specified in the file above. The video files are hosted at stream-private-ht.project1content.com , and each streamlet (except the first and final streamlets) is 4.000 seconds long. The received playlists at each resolution includes video streamlets, such as: "seg-1-f[X]-v1-a1.ts," "seg-2-f[X]-v1-a1.ts," "seg-3-f[X]-v1-a1.ts," "seg-4-f[X]-v1-a1.ts," and "seg-5-f[X]-v1-a1.ts," where [X] corresponds to a unique identifier for each bandwidth version. Within each bandwidth playlist file, there are the 559 .ts files, each corresponding to the same segmented moments in the video.							
	Bandwidth Version	File line (#EXTINF: length) (portion of live stream)						
	915420 Bandwidth	#EXTM3U						
		#EXT-X-TARGETDURATION:4						
		#EXT-X-ALLOW-CACHE:YES						
		#EXT-X-PLAYLIST-TYPE:VOD						
		#EXT-X-VERSION:3						
		#EXT-X-MEDIA-SEQUENCE:1						
		#EXTINF:3.000,						
		seg-1-f1-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JK FSmRbzI3Zs4%3D						
		#EXTINF:4.000,						
	<u>seg-2</u> -f1-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7 FSmRbzI3Zs4%3D							
		#EXTINF:4.000,						

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Claim Element	Example Infringement Evidence				
	<u>seg-3</u> -f1-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JK FSmRbzI3Zs4%3D				
	#EXTINF:4.000,				
	<u>seg-4</u> -f1-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JK FSmRbzI3Zs4%3D				
	#EXTINF:4.000,				
	<u>seg-5</u> -f1-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JK FSmRbzI3Zs4%3D				
	[***]				
	#EXTINF:4.000,				
	<u>seg-556</u> -f1-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JK FSmRbzI3Zs4%3D				
	#EXTINF:4.000,				
	<u>seg-557</u> -f1-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JK FSmRbzI3Zs4%3D				
	#EXTINF:4.000,				
	<u>seg-558</u> -f1-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JK FSmRbzI3Zs4%3D				

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Claim Element	Example Infringement Evidence				
		#EXTINF:0.616,			
		<u>seg-559</u> -f1-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JK FSmRbzI3Zs4%3D			
		#EXT-X-ENDLIST			
	3023543 Bandwidth	#EXTM3U			
		#EXT-X-TARGETDURATION:4			
		#EXT-X-ALLOW-CACHE:YES			
		#EXT-X-PLAYLIST-TYPE:VOD			
		#EXT-X-VERSION:3			
		#EXT-X-MEDIA-SEQUENCE:1			
		#EXTINF:3.000,			
		<u>seg-1</u> -f3-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JK FSmRbzI3Zs4%3D			
		#EXTINF:4.000,			
		<u>seg-2</u> -f3-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JK FSmRbzI3Zs4%3D			
		#EXTINF:4.000,			
		<u>seg-3</u> -f3-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JK FSmRbzI3Zs4%3D			

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Claim Element	Example Infringement Evidence						
	#EXTINF:4.000,	\Box					
	<u>seg-4</u> -f3-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO73 FSmRbzI3Zs4%3D	JK					
	#EXTINF:4.000,	#EXTINF:4.000,					
	<u>seg-5</u> -f3-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO73 FSmRbzI3Zs4%3D	a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JK					
	[***]						
	#EXTINF:4.000,						
	<u>seg-556</u> -f3-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO73 FSmRbzI3Zs4%3D	JK					
	#EXTINF:4.000,						
	<u>seg-557</u> -f3-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7 FSmRbzI3Zs4%3D	JK					
	#EXTINF:4.000,						
	<u>seg-558</u> -f3-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO73 FSmRbzI3Zs4%3D	JK					
	#EXTINF:0.616,						

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Claim Element	Example Infringement Evidence						
	<u>seg-559</u> -f3-v1- a1.ts?validto=1691016383&ip=108.223.180.169&hash=v70AOyHrYt%2FsO7JK FSmRbzI3Zs4%3D						
	#EXT-X-ENDLIST						
	On information and belief, the other bandwidth file playlists also comprise 559 streamlets, each corresponding to the same portion of video as is respective counterpart in the streamlet files shown above.						
	The matching timestamps and Discontinuity Sequence Numbers for matching content across the Variant Streams are "in relation to the beginning of the video." For example, HLS requires that "[e]ach Media Segment MUST carry the continuation of the encoded bitstream from the end of the segment with the previous Media Sequence Number, where values in a series such as timestamps and Continuity Counters MUST continue uninterrupted." RFC 8216 at 6; <i>see also</i> RFC 8216 at 45 ("A client MUST NOT assume that segments with the same Media Sequence Number in different Variant Streams or Renditions have the same position in the presentation; Playlists MAY have independent Media Sequence Numbers. Instead, a client MUST use the relative position of each segment on the Playlist timeline and its Discontinuity Sequence Number to locate corresponding segments.").						
	Indeed, to adapt playback between different bitrate Variant Streams, the Brazzers web player "can use the EXTINF durations and the constraints in Section 6.2.4 to determine the approximate location of corresponding media. Once media from the new Variant Stream has been loaded, the timestamps in the Media Segments can be used to synchronize the old and new timelines precisely." RFC 8216 at 47.						
	Each of the Variant Streams "describes a different version of the same content." RFC 8216 at 5. Thus, each of the Variant Streams are "encodings of the same presentation" at different bitrates. RFC 8216 at 42. Indeed, to streamlet encoding the same portion of the video in the high quality stream; allow "clients to switch between" Variant Streams seamlessly, HLS requires that "[e]ach Variant Stream MUST present the same content" on playback. RFC 8216 at 43. Further, HLS provides that "[m]atching content in Variant Streams MUST have matching timestamps" to allow Brazzers to synchronize the media. RFC 8216 at 43. And, "[e]ach Media						

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Claim Element	Example Infringement Evidence						
	Segment in a Media Playlist has an integer Discontinuity Sequence Number. The Discontinuity Sequence Number can be used in addition to the timestamps within the media to synchronize Media Segments across different Renditions." RFC 8216 at 39. Thus, "[m]atching content in Variant Streams MUST have matching Discontinuity Sequence Numbers." RFC 8216 at 43. HLS "allows a receiver to adapt the bitrate of the media to the current network conditions in order to maintain uninterrupted playback at the best possible quality." RFC 8216 at 4; see also id. ("Using this protocol, a client can receive a continuous stream of media from a server for concurrent presentation.").						
	For the instant test, the Brazzers web player initially requests and receives the 915420 Bandwidth version of the streamlets. Upon making a determination that the higher bitrate can be supported, the Brazzers web player switches to request and receive the 3023543 Bandwidth version of the streamlets. Below is an excerpt of the Charles "Sequence" listing showing the same alongside the status of the requests.						
	Method	Host	Path		Status		
	GET	stream-private- ht.project1content.com	/hls//seg-1-f1-v1-a1.ts?		Complete		
	GET	stream-private- ht.project1content.com	/hls//seg-2-f3-v1-a1.ts?		Complete		
	GET	stream-private- ht.project1content.com	/hls//seg-3-f3-v1-a1.ts?		Complete		
	GET	stream-private- ht.project1content.com	/hls//seg-4-f3-v1-a1.ts?		Complete		
	arbitrary e	ntities." RFC 8216 at 55. V	files contain URIs, which clients w When playback starts on the Brazze s web player, "SHALL choose whi	rs web	player, "[t]he client," which is the		

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Claim Element		Example Infringement Evidence					
[14 8] raceive the	Media Playlist." RFC 8216 at 45; <i>id.</i> at 47 ("The first segment to load is generally the segment that the client has chosen to play first (see Section 6.3.3)."). Then, "[i]n order to play the presentation normally, the next Media Segment" the Brazzers web player requests and "load[s] the one with the lowest Media Sequence Number that is greater than the Media Sequence Number of the last Media Segment loaded." RFC 8216 at 47. That is, to playback normally, the Brazzers web player must request a plurality of files with sequential Media Sequence Numbers/timestamps and the requests are made based on the Media Sequence Numbers/timestamps. As shown above, although the Brazzers web player initially requests the 915420 Bandwidth version of the program, it quickly switches to requesting the 3023543 Bandwidth version when bandwidth is adjusted. On information and belief, playlists for the other resolution variants also include these segments, which correspond to the same portion of the video provided from the Brazzers web player's Server(s).						
[14.8] receive the requested first	The Brazzers web player receives a streamlet request from the end user station and subsequently places a request to the video servers over the one or more network connections for the selected stream.						
streamlet from the server via the internet connection; and	HLS "allows a receiver to adapt the bitrate of the media to the current network conditions in order to maintain uninterrupted playback at the best possible quality." RFC 8216 at 4; see also id. ("Using this protocol, a client can receive a continuous stream of media from a server for concurrent presentation."). For the instant test, the Brazzers web player initially requests and receives the 915420 Bandwidth version of the streamlets. Upon making a determination that the higher bitrate can be supported, the Brazzers web player switches to request and receive the 3023543 Bandwidth version of the streamlets. Below is an excerpt of the Charles "Sequence" listing showing the same alongside the status of the requests.						
	Method	Host	Path		Status		
	GET	stream-private- ht.project1content.com	/hls//seg-1-f1-v1-a1.ts?		Complete		
	GET	stream-private- ht.project1content.com	/hls//seg-2-f3-v1-a1.ts?		Complete		

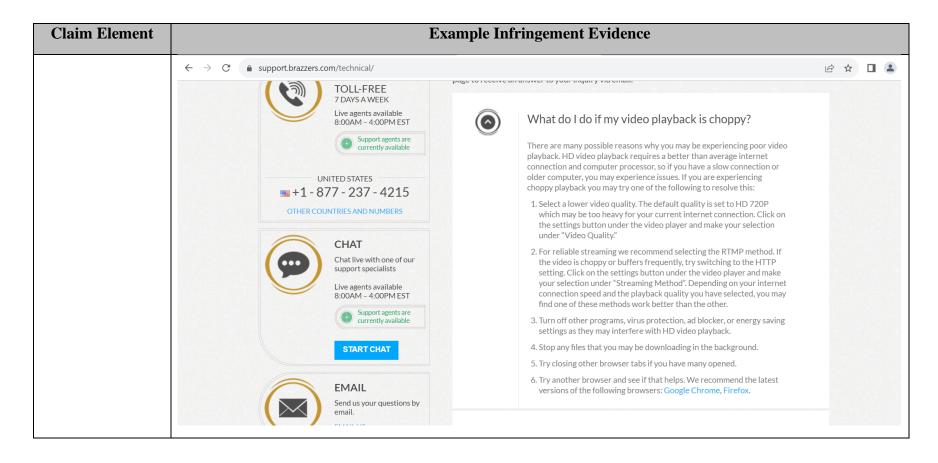
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Claim Element	Example Infringement Evidence				
	GET	stream-private- ht.project1content.com	/hls//seg-3-f3-v1-a1.ts?		Complete
	GET	stream-private- ht.project1content.com	/hls//seg-4-f3-v1-a1.ts?		Complete
	The Brazzers web players "[p]laylist files contain URIs, which clients will use to make network requests of arbitrary entities." RFC 8216 at 55. When playback starts on the Brazzers web player, "[t]he client," which is the Brazzers video player on the Brazzers web player, "SHALL choose which Media Segment to play first from the Media Playlist." RFC 8216 at 45; <i>id.</i> at 47 ("The first segment to load is generally the segment that the client has chosen to play first (see Section 6.3.3)."). Then, "[i]n order to play the presentation normally, the next Media Segment" the Brazzers web player requests and "load[s] the one with the lowest Media Sequence Number that is greater than the Media Sequence Number of the last Media Segment loaded." RFC 8216 at 47. That is, to playback normally, the Brazzers web player must request a plurality of files with sequential Media Sequence Numbers/timestamps and the requests are made based on the Media Sequence Numbers/timestamps. As shown above, although the Brazzers web player initially requests the 915420 Bandwidth version of the program, it quickly switches to requesting the 3023543 Bandwidth version when bandwidth is adjusted. Those requests, as shown above, are "Completed," meaning the streamlets were received from the one or more Brazzers servers.				
[14.9] provide the received first streamlet for playback of the live event video.	In respons receives the 4 ("Using presentation	se to requesting the first streen requested streamlet from this protocol, a client can roon."); id. at 5 ("To play this gment declared within it. The	± '	as showork of the short of the	wn above, the Brazzers web player connections. <i>See e.g.</i> , RFC 8216 at m a server for concurrent d then downloads and plays each

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Claim Element	Example Infringement Evidence					
	For the instant test, the Brazzers web player initially requests and receives the 915420 Bandwidth version of the streamlets. Upon making a determination that the higher bitrate can be supported, the Brazzers web player switches to request and receive the 3023543 Bandwidth version of the streamlets. Below is an excerpt of the Charles "Sequence" listing showing the same alongside the status of the requests.					
	Method	Host	Path		Status	
	GET	stream-private- ht.project1content.com	/hls//seg-1-f1-v1-a1.ts?		Complete	
	GET	stream-private- ht.project1content.com	/hls//seg-2-f3-v1-a1.ts?		Complete	
	GET	stream-private- ht.project1content.com	/hls//seg-3-f3-v1-a1.ts?		Complete	
	GET	stream-private- ht.project1content.com	/hls//seg-4-f3-v1-a1.ts?		Complete	
	the Brazze users may	rs support webpage, https://	//www.support.brazzers.com. Therets users on how to optimize their v	e, Braz	-	

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